

REMARKS

Claims 1-74 were pending in the present application. The Examiner rejected Claims 1-27, 29-51, 55-59 and 61-74. Please cancel Claims 1, 2, 5, 9-11, 13-18, 23, 30, 31, 33-38, 40, 45-50, 55, 62, 63, and 65-74 without prejudice. Claims 3, 7, 52-54, and 60 as follows are once again presented and considered to be in condition for allowance.

In light of the remarks provided below, reconsideration of the application and allowance of all claims as currently presented is respectfully requested.

§102 Rejections of Claims 1-5, 9-18, 23, 29-31, 33-40, 55, 61-63, and 65-74

The Examiner has rejected Claims 1-5, 9-18, 23, 29-31, 33-40, 55, 61-63, and 65-74 as being anticipated by Agre (pat. no. 5,978,679). Applicants have canceled without prejudice Claims 1, 2, 4, 5, 9-18, 23, 29-31, 33-40, 55, 61-63, and 65-74. Accordingly, applicant's contend that the Examiner's rejections of these claims are now moot.

With regard to Claim 3, the Examiner has provided no reason for the rejection and has instead admitted to a patentable distinction between Claim 3 and the prior art. In addition, the Examiner previously indicated that Claim 3 would be allowable if amended to recite the limitations of the base claims from which it depended. Applicants have so amended Claim 3. Accordingly, Applicants respectfully request that the Examiner now withdraw the rejection of Claim 3 as amended.

§103 Rejection of Claims 24-27, 32, 57-59, 61, and 64

The Examiner has rejected Claims 24-27, 32, 57-59, 61, and 64 as being unpatentable over Agre (pat. no. 5,978,679). The Applicants have canceled Claims 24-27, 32, 57-59, 61, and 64. Accordingly, Applicants respectfully submit that the Examiner rejections of these claims are now moot.

Allowable Subject Matter

The Examiner has indicated that Claims 7, 8, 28, 43, and 60 would be allowable if amended to include each of the limitations presented in the base claims. Applicants have amended these claims as requested. Therefore, Applicant's respectfully request reconsideration and allowance of these claims as now amended.

In light of the foregoing, the Examiner's reconsideration of this application with a view toward allowance is respectfully requested. In the alternative, Applicants contend that the comments and amendments provided herein place the application in better condition for appeal. Therefore, Applicants respectfully request that the present response be entered. The Examiner is invited to call the undersigned agent if a telephone call could help solve any remaining items.

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Respectfully submitted,

By: 

Bruce W. Greenhaus
Attorney for Applicant
Registration No. 37,339

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, California 92121-2779
Telephone: (858) 651-6399
Facsimile: (858) 658-2502



VERSION WITH MARKINGS TO SHOW CHANGES MADE

3. A method [according to claim 2] used in a mobile wireless telecommunications system that includes base stations of a first type operating over a first air interface and base stations of a second type operating over a second air interface, the method performed by a mobile station camped on a cell associated with a first base station of the first type, the method for reselection of a second base station of the second type, wherein the first and second air interfaces are distinct such that one is a TDMA air interface and the other is a CDMA air interface, the method comprising:
- (e) receiving signals over the second air interface from the second base station;
 - (f) evaluating a characteristic of the signals;
 - (g) responsive to the characteristic, selecting the second base station in place of the first base station; and
 - (h) camping on a cell associated with the second base station,
- wherein evaluating the characteristic comprises applying a CDMA path loss criterion to the signals.
6. A method [according to claim 1] used in a mobile wireless telecommunications system that includes base stations of a first type operating over a first air interface and base stations of a second type operating over a second air interface, the method performed by a mobile station camped on a cell associated with a first base station of the first type, the method for reselection of a second base station of the second type, the method comprising:
- (a) receiving signals over the second air interface from the second base station;
 - (b) evaluating a characteristic of the signals;
 - (c) responsive to the characteristic, selecting the second base station in place of the first base station; and
 - (d) camping on a cell associated with the second base station,

wherein selecting the second base station in place of the first base station comprises using a single radio resource management protocol layer in the mobile station supporting both GSM/TDMA and CDMA operating modes.

52. A mobile station [according to claim 51,] for use in a mobile wireless telecommunications system that includes a first cell associated with a first air interface and a second cell associated with a second air interface, the mobile station, comprising:

(a) at least one radio transceiver, which receives signals from the first and second cells over the first and second air interfaces, respectively; and

(b) control circuitry that processes the signal received from the second cell while the mobile station is camped in idle mode on the first cell and that evaluates the second signal and, responsive thereto, directs the mobile station to reselect and camp on the second cell,

wherein the control circuitry is programmed to regulate energy expended by the mobile station in receiving the signals responsive to a desired level of energy consumption by the mobile station, and

wherein the control circuitry sets a sampling rate at which to receive the signals responsive to the desired level of energy consumption.

53. A mobile station [according to claim 51,] for use in a mobile wireless telecommunications system that includes a first cell associated with a first air interface and a second cell associated with a second air interface, the mobile station, comprising:

(a) at least one radio transceiver, which receives signals from the first and second cells over the first and second air interfaces, respectively; and

(b) control circuitry that processes the signal received from the second cell while the mobile station is camped in idle mode on the first cell and that evaluates the second signal and, responsive thereto, directs the mobile station to reselect and camp on the second cell,

wherein the control circuitry is programmed to regulate energy expended by the mobile station in receiving the signals responsive to a desired level of energy consumption by the mobile station, and

wherein the control circuitry chooses a number of cells from which to receive the signals over the second air interface responsive to the desired level of energy consumption.

54. A mobile station [according to claim 51,] for use in a mobile wireless telecommunications system that includes a first cell associated with a first air interface and a second cell associated with a second air interface, the mobile station, comprising:

(a) at least one radio transceiver, which receives signals from the first and second cells over the first and second air interfaces, respectively; and

(b) control circuitry that processes the signal received from the second cell while the mobile station is camped in idle mode on the first cell and that evaluates the second signal and, responsive thereto, directs the mobile station to reselect and camp on the second cell,

wherein the control circuitry is programmed to regulate energy expended by the mobile station in receiving the signals responsive to a desired level of energy consumption by the mobile station, and

wherein the control circuitry further regulates the availability of the transceiver to receive the signals responsive to a desired level of quality of service provided by the mobile station.

60. A mobile station [according to claim 55,] in a mobile wireless telecommunications system, the system including a first cell associated with a first air interface and a second cell associated with a second air interface, the mobile station comprising:

(a) at least one radio transceiver that receives signals from the first and second cells over the first and second air interfaces, respectively; and

(b) control circuitry that processes the signal received from the second cell while the mobile station is camped in idle mode on the first cell and that evaluates the second signal and, responsive thereto, directs the mobile station to reselect and camp on the second cell,

wherein the control circuitry compares the signals received by the transceiver over the first and second air interfaces and applies reselection criteria to the comparison so as to determine whether to select the second cell, and

wherein the control circuitry applies a predetermined hysteresis factor to the comparison so as to prevent recurrent reselection of the air interface.